

STUDENT HANDOUT

Post Activity – Stargazing (Question 1)



REFLECTION: Review the worksheets for *Retrograde: Observing Planet Motion* and *Modeling: Geocentric vs. Heliocentric*, then answer the following question: ***How have we used observations to determine the arrangement of our solar system?***

Use the graphic organizer provided to formulate your answer and support it with evidence.

Create your explanation

Write a brief summary of the 2 parts of your investigation. You will use this summary as an introduction to your explanation.

1. Retrograde: Observing Planet Motion –

2. Modeling: Geocentric vs. Heliocentric -

Claim – a statement of what you think will happen or understand in your investigation

Evidence – data collected during investigations and trends in that data.

Science knowledge – knowledge about how things work. You may have learned this through reading, talking to an expert, discussion or other experiences.

Conclusion – Write a few sentences summarizing what your investigation has taught you.

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Post Activity – Stargazing (Question 2)



REFLECTION: Review the worksheets for Light: Observing Emission Spectra and Sound: The Doppler Effect. Then answer the following question: ***How have we used observations to determine that our universe is expanding?***

Use the graphic organizer provided to formulate your answer and support it with evidence.

Create your explanation

Write a brief summary of the 2 parts of your investigation. You will use this summary as an introduction to your explanation.

1. Light: Observing Emission Spectra –

2. Sound: The Doppler Effect –

Claim – a statement of what you think will happen or understand in your investigation

Evidence – data collected during investigations and trends in that data.

Science knowledge – knowledge about how things work. You may have learned this through reading, talking to an expert, discussion or other experiences.

Conclusion – Write a few sentences summarizing what your investigation has taught you.